

Special API Routines for NOP

This section covers the following topics:

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Introduction

- Required LFILE Assignments
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All programs documented here reside in the Entire Operations Natural library (SYSEOR). If not otherwise stated, all programs may be used in batch and online.

Required LFILE Assignments

LFILE	Explanation
216	Entire Operations System File 1.
131	SAT Log File.
215	Entire Operations System File 3 (Log Selection File).

Log Selection File - Format 1

An empty log selection file (LFILE=215) for accounting data is part of the NOP142 installation files.

The DDM for the above is EOR-LOG-SELECTION-1.

The DDM is delivered with descriptors on almost every field.
It is up to the user to release descriptors which are not necessary.

The file can be read and evaluated with Natural and Super Natural.

DB 255, File 215

This file applies to the default sequence of Entire Operations log selection 1.

T	L	DB	Name	Format	S	D	Remarks
*	EOR Log Selection						
	1	AA	LGS-RECORD-TYPE	A6	N	D	
*							
G	1	AB	LGS-BS2-DATA				
	2	AD	LGS-BS2-USERID	A8	N	D	
	2	AE	LGS-BS2-ACCOUNT	A8	N	D	
*							
G	1	AG	LGS-TIME-DATA				
	2	AH	LGS-CPU-TIME	P7.2	N	D	/* in sec.
	2	AI	LGS-JOB-START	T12	N	D	/* date + time
	2	AK	LGS-JOB-STOP	T12	N	D	/* date + time
	2	AM	LGS-JOB-ELAPSED	P13.0	N	D	/* in 1/10 sec.
*							
G	1	AN	LGS-DATA-3				
	2	AO	LGS-LOG-TIME	T12	N	D	/* date + time
	2	AP	LGS-OWNER	A10	N	D	
	2	AQ	LGS-NETWORK	A10	N	D	
	2	AR	LGS-RUN	P13.0	N	D	
	2	AS	LGS-JOB	A10	N	D	
	2	AT	LGS-STATE	A3	N	D	
	2	AU	LGS-JOB-TYPE	A3	N	D	
*							
	1	AY	LGS-EXECUTION-NODE	N3.0	N	D	
	1	AW	LGS-JOB-ID	A5	N	D	
	1	AX	LGS-OS-JOB-NAME	A8	N	D	
*							
*	Superdescriptors						
*							
	1	AV	LGS-KEY-1	A30	N	S	
*			LGS-OWNER	1-10			
*			LGS-NETWORK	1-10			
*			LGS-JOB	1-10			

Extract Log Data to Log Selection File

Natural Program Call:

```
LGAX1S-P P-DATE-FROM P-DATE-TO
```

Parameters:

Name	Format	Description
P-DATE-FROM (optional)	A08	Start date for the extraction in format YYYYMMDD.
P-DATE-TO (optional)	A08	End date for the extraction in format YYYYMMDD.

Notes:

1. Start date and end date for the extraction are optional. If wanted, both parameters must be set. If the start date is smaller than the time stamp in the private control record (see note 2 and 3), the extraction is not performed.
2. Log data extraction always starts where the last extraction ended.
3. This time stamp is kept in a private control record. (When the program is started for the first time, the starting date 01.11.2001 is used).
4. The extraction data consists of accounting data (see the subsection Network and Job Accounting Data in the section Reporting).
5. New extraction data do not overwrite existing extraction data.

Delete Old Data in Log Selection File

Natural Program Call:

```
LGAX1D-P P-RETENTION-DAYS
```

Parameters:

Name	Format	Description
P-RETENTION-DAYS	I2	Entries older than this parameter are deleted.

Output of Log Data to a File

The output of log data for printing or further processing is described in the subsection Output of Log Information in the section Log Information.

Print Account Information from NOP Log

Natural Program Call:

```
LG-AP1-P P-TIME-FROM P-TIME-TO
```

Parameters:

Name	Format	Description
P-TIME-FROM	A14	Format: YYYYMMDDHHIISS
P-TIME-TO	A14	Format: YYYYMMDDHHIISS

Monitor or Task Wait Time Modification

Natural Program Call:

MO-WTM-P P-MONITOR-WAIT-TIME P-USERID [P-TASK-ID]

Parameters:

Name	Format	Description
P-MONITOR-WAIT-TIME	N8	In seconds.
P-USERID	A8	For log.
P-TASK-ID	I2	Number of a monitor task (optional). If the number of an active monitor task is specified, only the wait time of this task will be modified. If no task number is specified, the wait times of all active monitor tasks will be modified.

Notes:

1. If a wait time less than 5 seconds is specified, the wait time is set to 5 seconds.
2. The modifications carried out using this program only apply until the end of the current monitor run.

Monitor Shutdown

Natural Program Call:

MO-SHD-P

Parameters:

None.

Monitor Start

Natural Program Call:

MO-ST--P P-MONITOR-NODE

Parameter:

Name	Format	Description
P-MONITOR	I2	Value = 1 to 255 (Mainframe)

BS2000/OSD Jobs

These jobs are used to update the submit user ID, submit password and account number.

Natural Program Call:

BS2U01-P P-OWNER P-USERID-OLD P-PW-OLD P-USERID-NEW P-PW-NEW P-ACCOUNT-NEW
--

Parameters:

Name	Format	Description
P-OWNER	A10	Entire Operations owner of jobs to be modified.
P-USERID-OLD	A8	BS2000 user ID to be exchanged.
P-PW-OLD	A8	BS2000 submit password to be exchanged.
P-USERID-NEW	A8	BS2000 new user ID.
P-PW-NEW	A8	BS2000 new submit password.
P-ACCOUNT-NEW	A8	BS2000 new account number.

Notes:

1. An asterisk * for a parameter is converted to **blank**.
2. Job fields are only exchanged, if the EOR owner, the old BS2000 user ID, and the old submit password do match.
3. Fields are replaced, only if the new value is **not blank**.
4. A log is written to the screen. In batch mode, the log is printed to Natural printer 1. This printer must therefore be assigned in the JCL.